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TITLE : MODIFIED POLYETHYLENE RESIN COMPOSITION

ABSTRACT : PURPOSE: To provide the titled composition composed of a high-pressure low- density polyethylene having specific flow properties and a graft-modified polyethylene having specific physical properties, and having high moldability and excellent adhesivity to polar resins.

CONSTITUTION: The objective resin composition having an MI of 0.05~50g/10min can be produced by compounding (A) a high-pressure low-density polyethylene satisfying the formulas $EC \geq 20$ and $0.1 \text{ g/10min} < MI < 50 \text{ g/10min}$ (EC is product of melt index MI and melt tension MT) and producible easily e.g. by autoclave method shifting the reaction conditions toward the high-temperature and high- pressure side and (B) a modified polyethylene produced by grafting acrylic acid or maleic acid to an ethylene- α -olefin copolymer having a density of 0.88~0.91g/cm³. The amount of grafted acrylic acid, etc., is 0.03~1wt% of the whole composition, and the ratio of A:B is (60~95):(40~5).

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